|  |  |
| --- | --- |
|  | |
| Journal Name: | [**Journal of Advances in Biology & Biotechnology**](https://journaljabb.com/index.php/JABB) |
| Manuscript Number: | **Ms\_JABB\_140227** |
| Title of the Manuscript: | **Influence of Foliar Spray of Micronutrients on Growth and Yield of Cauliflower (Brassica oleraceae var. botrytis L.)** |
| Type of the Article |  |

|  |  |  |
| --- | --- | --- |
| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript deals with the effects of foliar micronutrient applications on the growth and yield of cauliflower, a high-value cole crop with nutritional and economic importance. The focus on specific micronutrients (B, Zn, Fe, Mo) and their combinations contributes to practical knowledge for nutrient management in horticultural crops. Considering the rising global need for micronutrient-enriched and sustainable vegetable production, the study adds value to existing literature. Its findings could benefit both researchers and practitioners in vegetable science and agronomy. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The current title is informative, but it can be improved slightly for clarity and academic tone.  **Suggested title:**  “Effect of Foliar Micronutrient Sprays on Growth and Yield of Cauliflower (Brassica oleracea var. botrytis L.)” |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | he abstract summarizes the study's aim, methodology, and main findings but suffers from:   * **Grammatical errors and awkward phrasing**. * **Redundancy**, especially in the last sentences. * **Lack of clear structure** (Objective, Method, Results, Conclusion).   **Suggested improvements:**   * Begin with a clearer objective. * Clarify the main finding: “The foliar application of a micronutrient mix (B, Zn, Fe, Mo) at specific intervals significantly improved all growth and yield parameters.” * Avoid repetition and ensure verb agreement throughout. |  |
| Is the manuscript scientifically, correct? Please write here. | Yes, the experimental design (Randomized Block Design with 9 treatments and 3 replications) is appropriate and commonly used in field studies. The measured parameters (growth traits, curd development, and yield) are relevant. However, some aspects need improvement:   * **Terminology**: For instance, “The data were showed significant…” should be “The data showed significant differences…” * **Units** and treatment descriptions should be standardized and clarified in tables. * **Data interpretation** could be more concise and analytical instead of repeating the results textually. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The manuscript includes **sufficient and relevant references**, with publications from 2011 to 2024. The references support the experimental rationale and results discussion.  However, the following suggestions can strengthen the manuscript:   * Include **more international peer-reviewed articles** on micronutrient foliar application in Brassicaceae crops. * Cross-check for **duplicate or outdated references** (e.g., Singh et al., 2018 appears twice).   **Suggested additions:**   1. Hafeez, B., Khanif, Y. M., & Saleem, M. (2013). Role of zinc in plant nutrition—A review. *American Journal of Experimental Agriculture*, 3(2), 374–391. 2. Cakmak, I. (2008). Enrichment of cereal grains with zinc: Agronomic or genetic biofortification? *Plant and Soil*, 302(1-2), 1–17. |  |
| Is the language/English quality of the article suitable for scholarly communications? | No — the language currently **requires major editing**. Common issues include:   * Incorrect verb tense and structure (“was found better,” “data were showed significant”). * Repetitive use of long treatment descriptions in every result sentence. * Inconsistent terminology (e.g., “apply of different micro-nutrients…” should be “application of different micronutrients…”).   A **professional English editing** pass is essential before submission to ensure academic clarity and correctness. |  |
| Optional/General comments | * The **topic is relevant**, the experiment is well-planned, and the data presentation is clear (though repetitive). * **Tables** are informative but need formatting for clarity. * The **Conclusion section** should be rewritten in proper English, with broader implications mentioned (e.g., nutrient efficiency, implications for fertilizer use policy). * The manuscript would benefit from a **graphical summary** of key findings or a correlation analysis (e.g., between nutrient combinations and yield). |  |

|  |  |  |
| --- | --- | --- |
| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

**Érico de Sá Petit Lobão, Brazil**